SIMDevIDE USER MANUAL

A PART OF SIMCOM EMBEDDED AT DEVELOPMENT KIT

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INTRODUCTION

SIMDevIDE is an IDE tool developed by SIMCom to integrate its core Embedded AT environment with customer application development process. SIMDevIDE allows customers to edit, compile, link core libraries and download MOT file effortlessly. SIMDevIDE works with all versions of Windows.

GETTING STARTED

INSTALL SIMDEVIDE

Follow the instruction to install SIMDevIDE to the desired location, click the icon on your desktop to start SIMDevIDE.

Set Compiler Environment

1. Before install SIMDEVIDE If you have not installed the arm compiler, you need install the arm compiler tool or you want to change the arm compiler path, you need set the correct path of arm tool in Options->Compiler otion.

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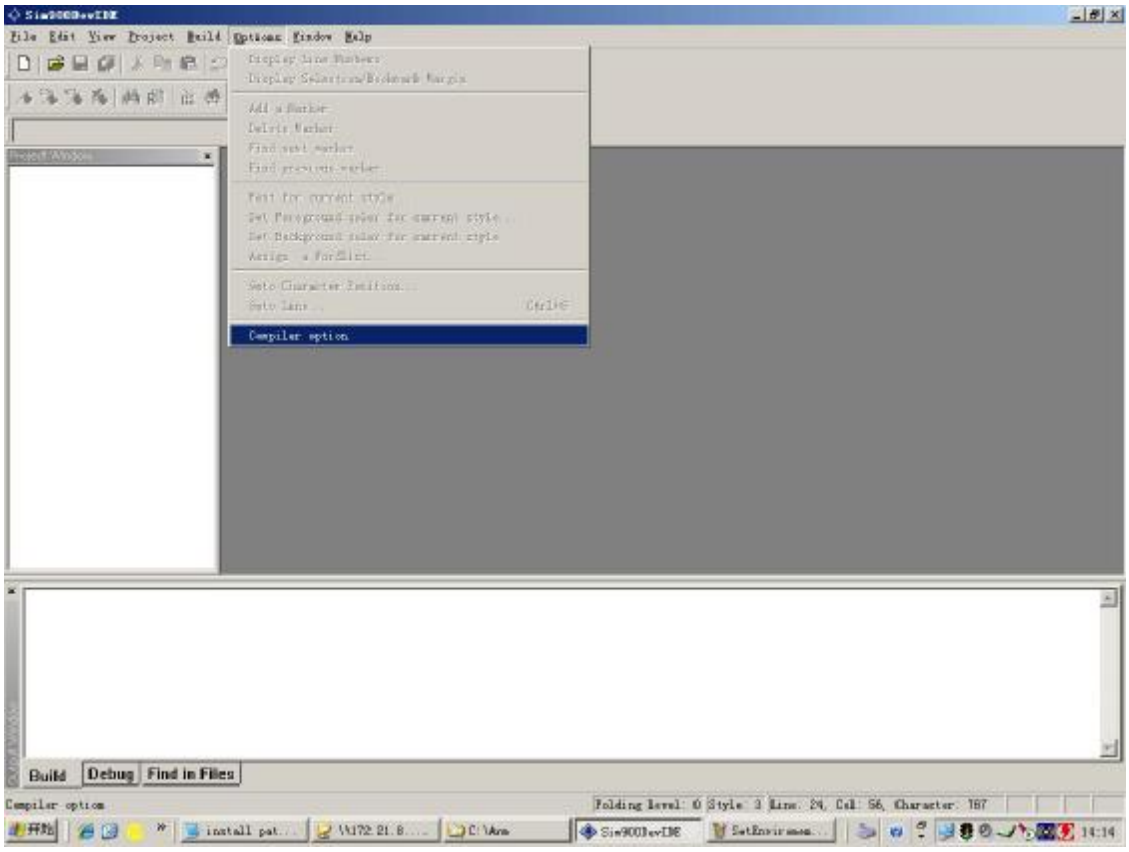

2, Select the correctly compiler tool by click this "..." button.

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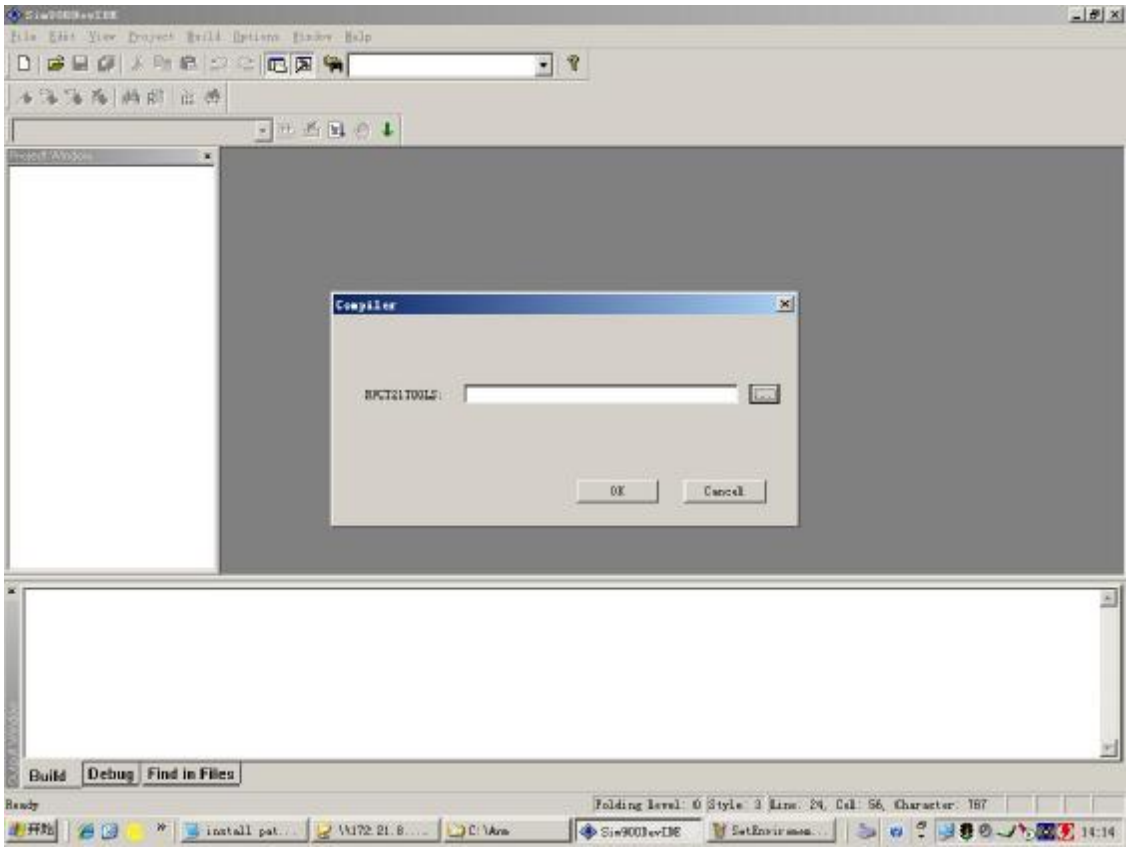

CREATE A NEW PROJECT

1. Create a new project by click File->New

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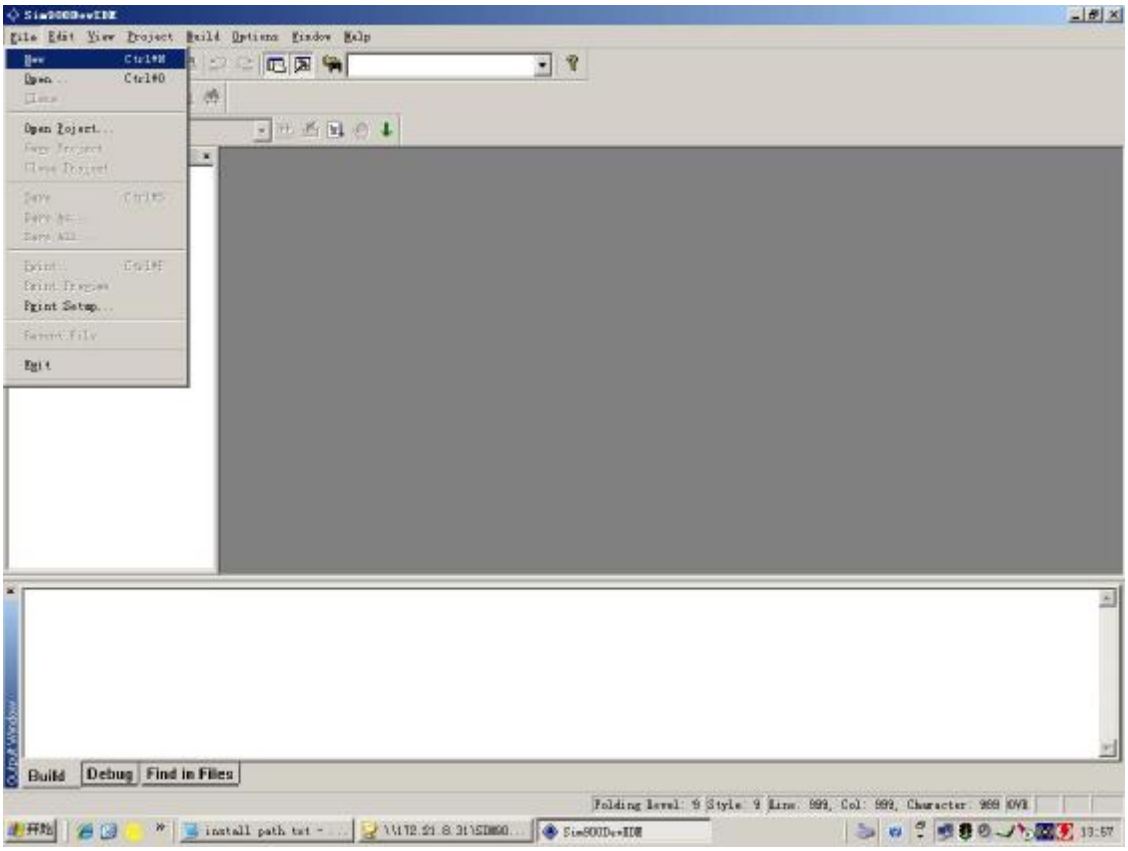

2. “New” window pops open, add your project name here and select example project based on the type of module used for the project. Click OK when done.

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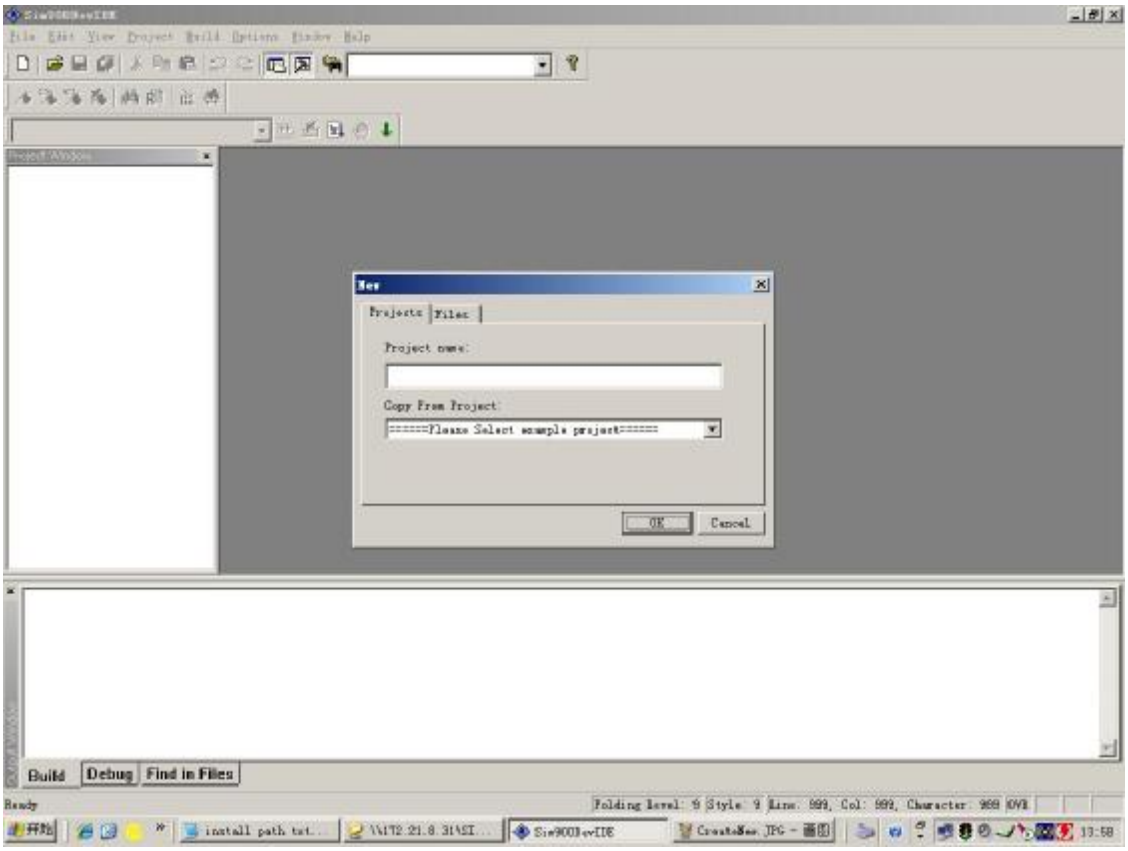

A new project is now created. Two folders are automatically created for the project; “Code Files” and “Header Files” for .c and .h files respectively.

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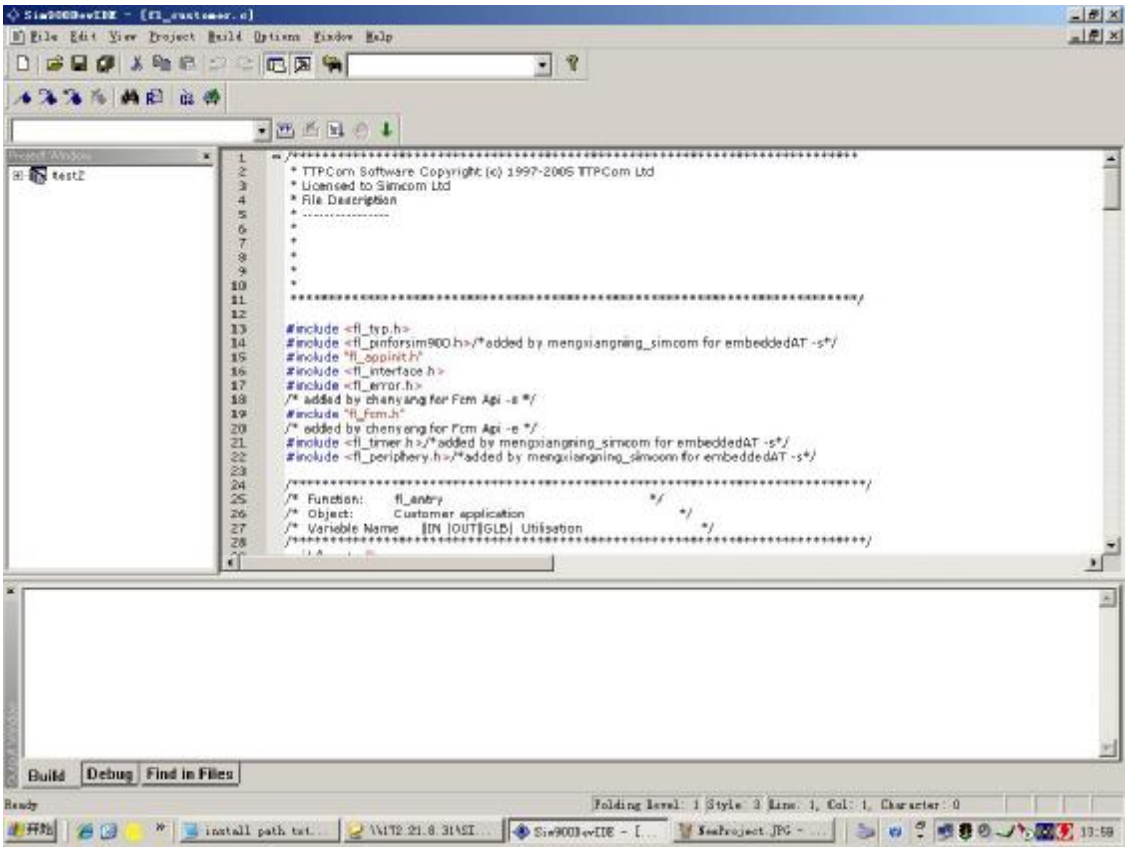

3. Add files to the project, by select File->New, “New” window opens again, and select Files tab to add files.

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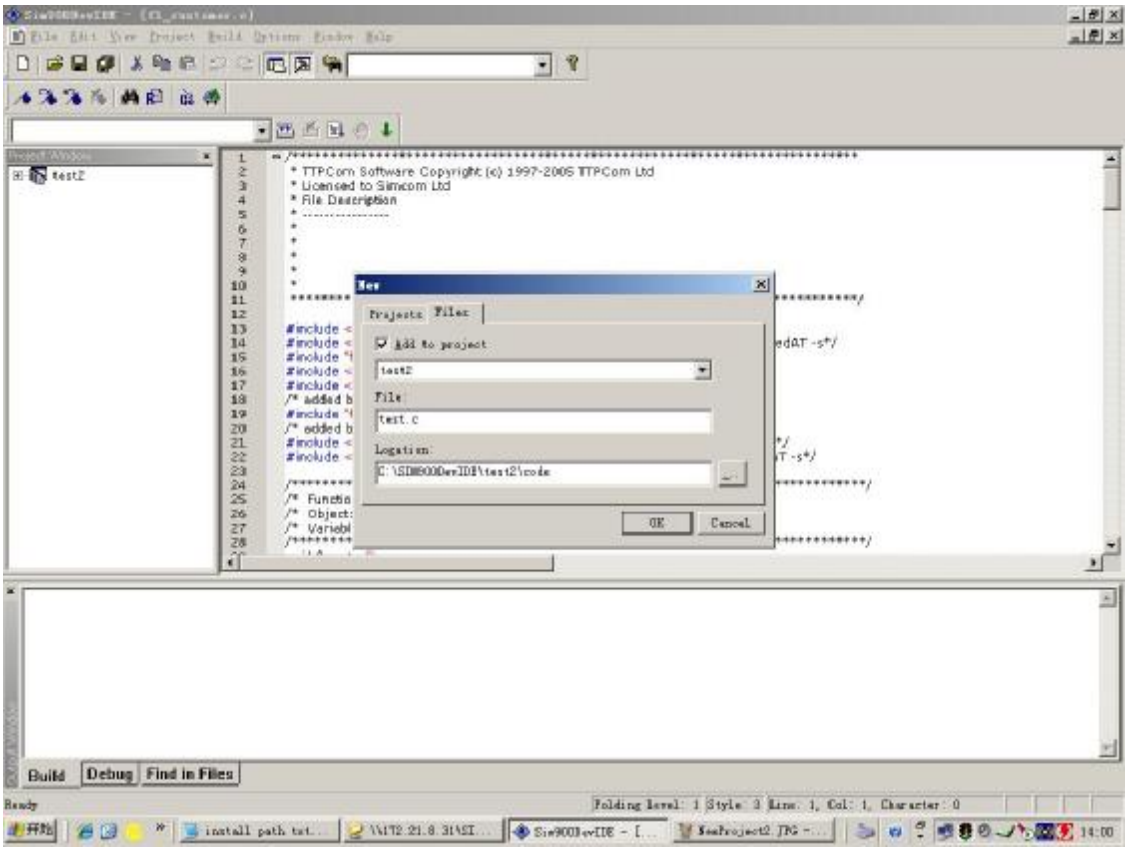

Add source file according to its type(header/code), and select its location appropriately. Click OK when done.

4. The added file is now ready to be edited:

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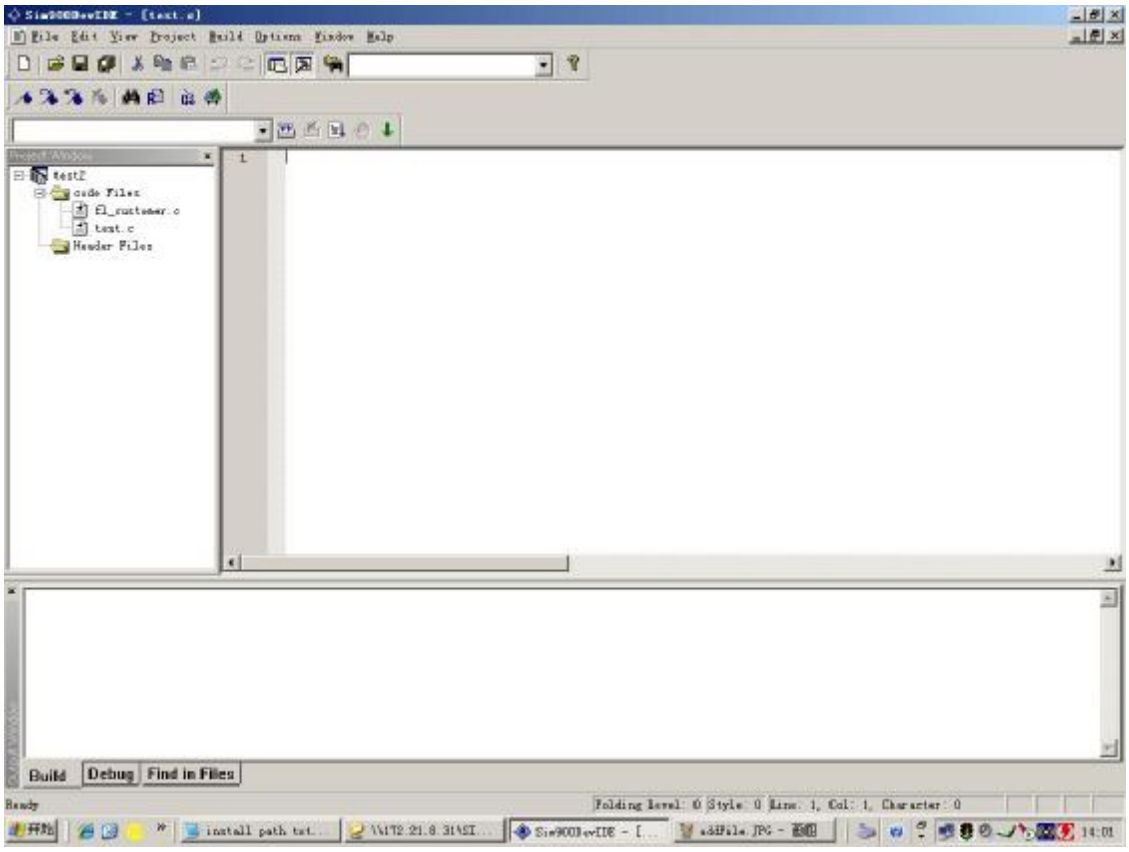

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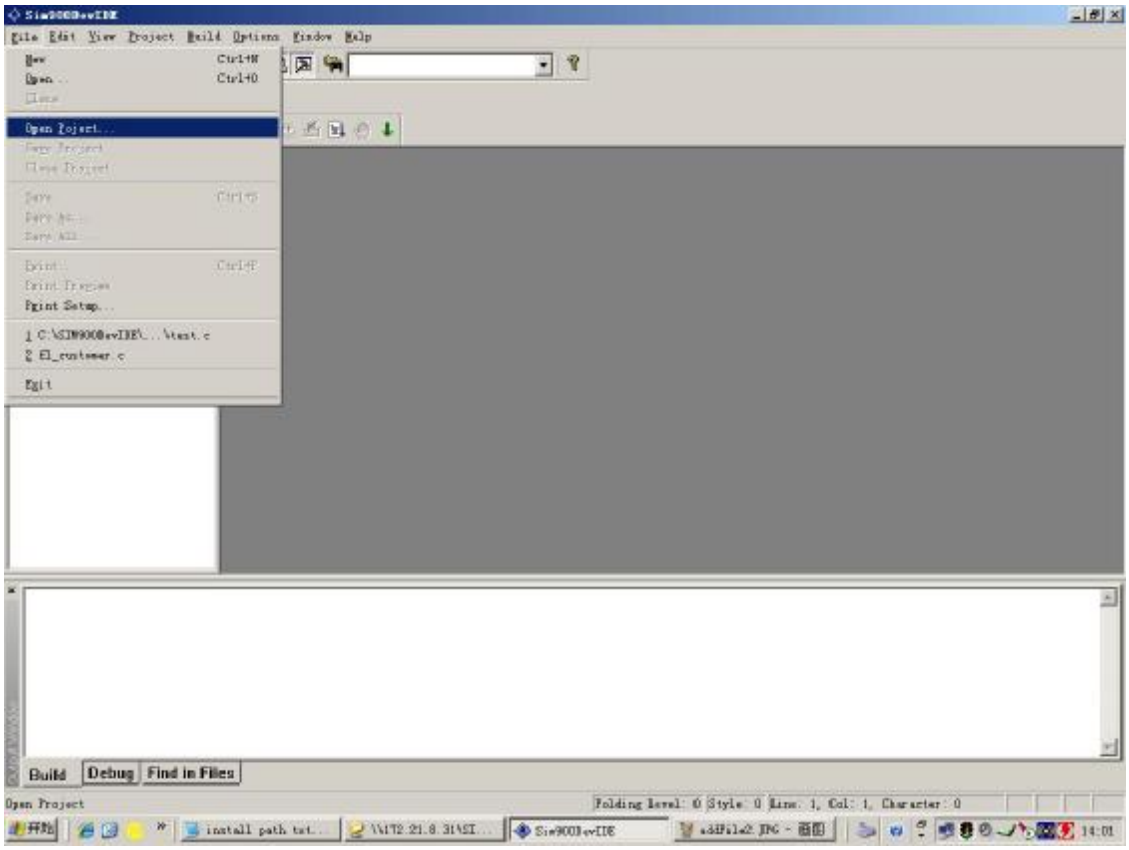
BUILD AN EXISTING PROJECTS

1. Open an existing project



2. Project Test2 opened

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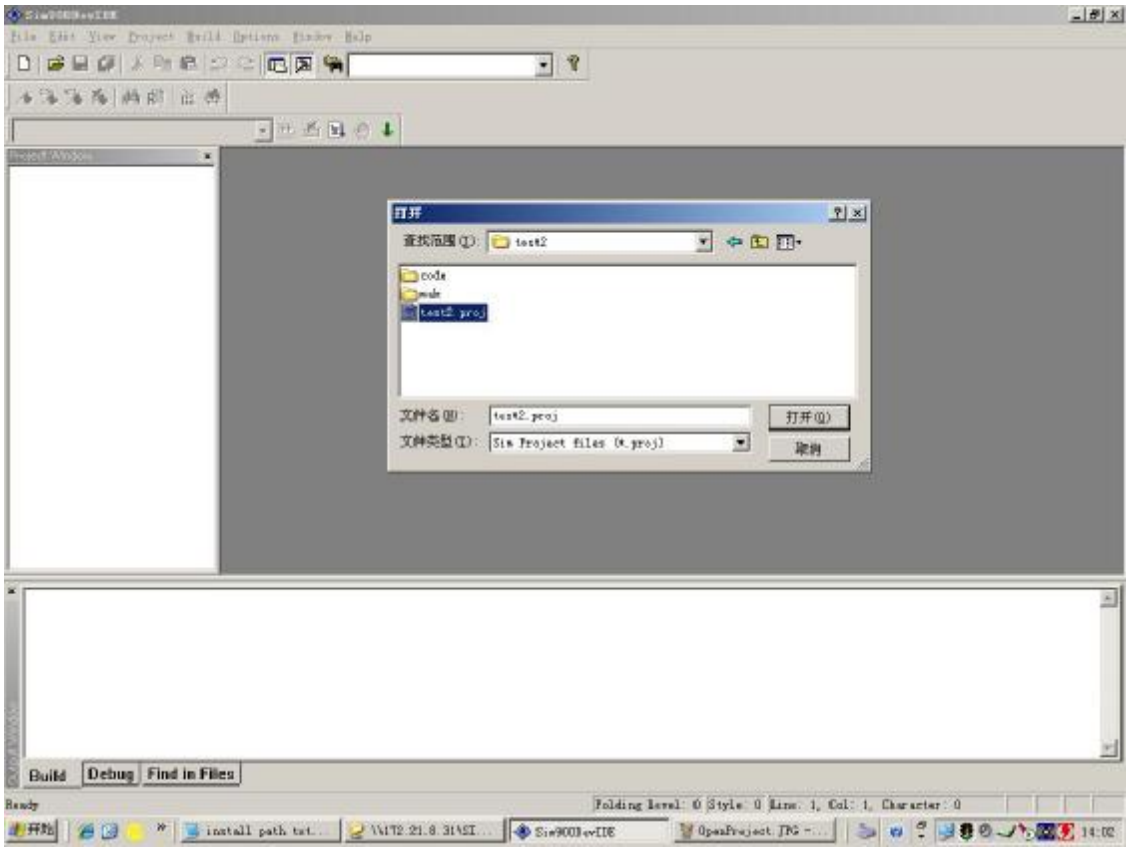

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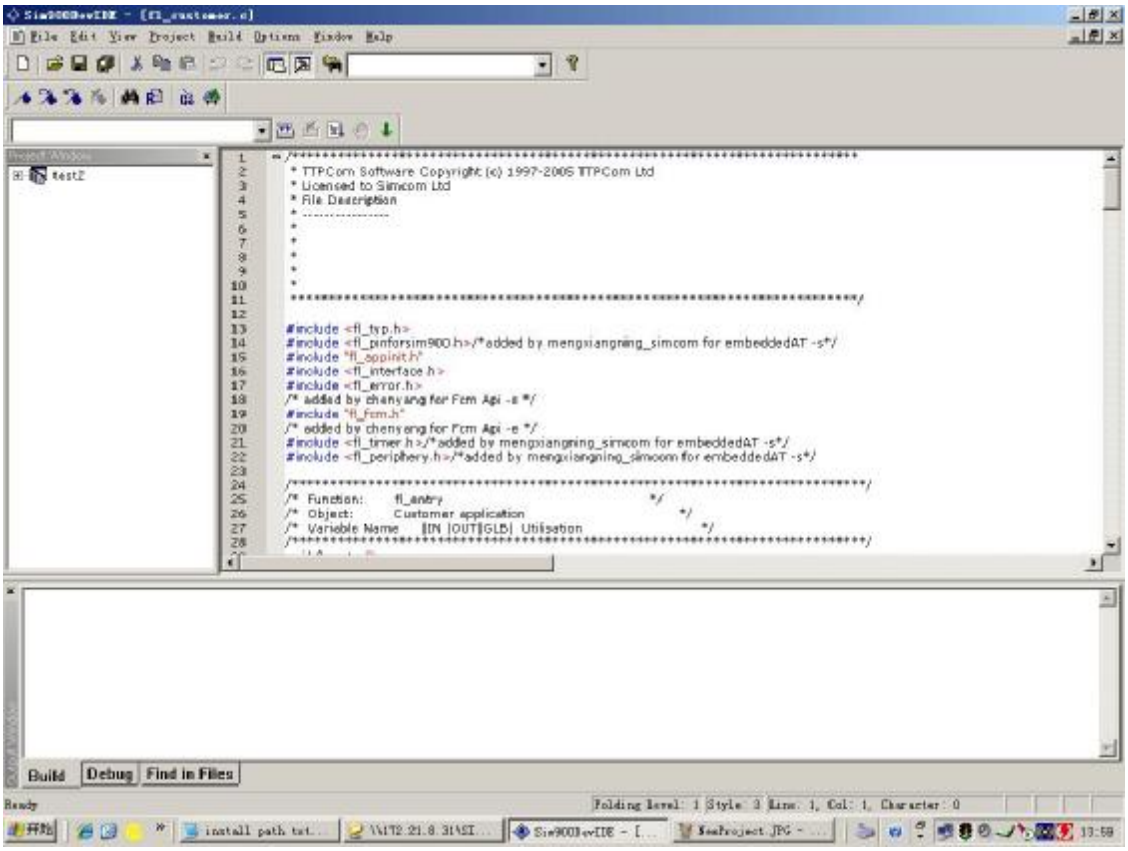

3.Select Build->build all from drop down menu

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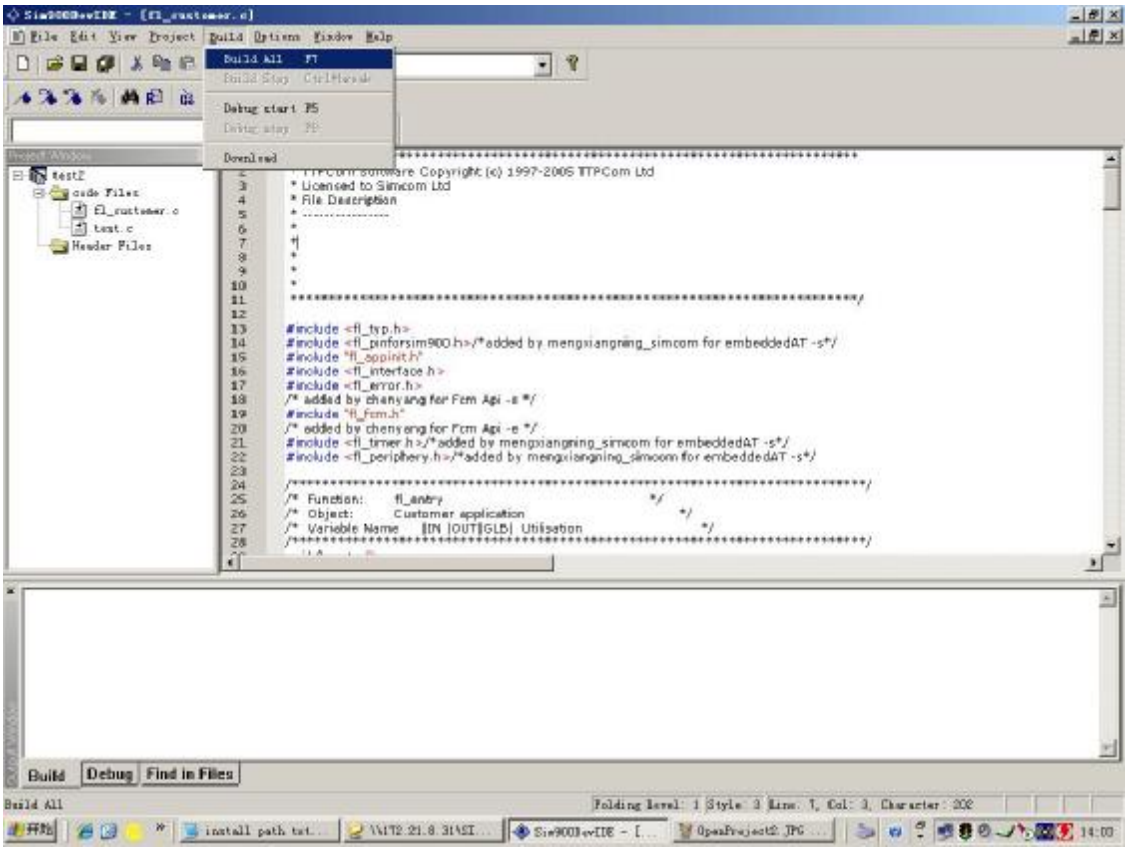

4. Build finish successfully, with build information (marked by the red square) displayed in the build information window

5. Download your application to SIMCom modules by select Build->download, it opens the flash download tool window.

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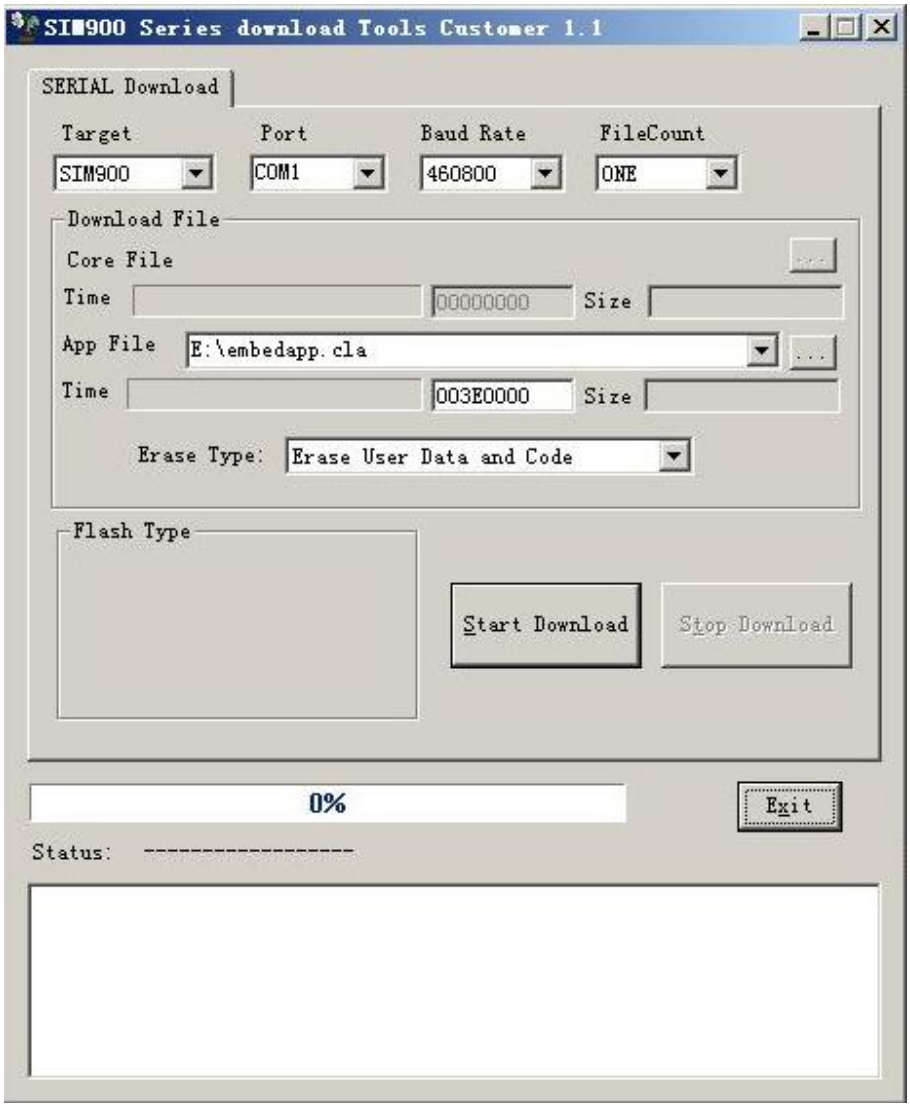

Click Start Download when all files are located.

FIX YOUR PROJECT

1.For build Time Error

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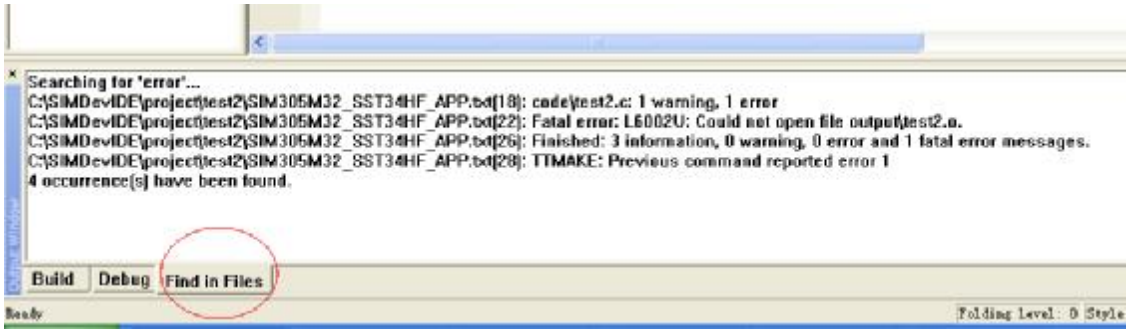
Not enough information to list the image map.
Not enough information to list the image sizes and/or totals.
Finished: 3 information, 0 warning, 0 error and 1 fatal error messages.
TTMAKE: Previous command reported error 1
Build
Debug
Find in Files

Build time error is reported, you can scroll back the build information window to find the errors, or

Use the EDIT->FIND IN FILES, to search for errors in *.txt and *.ini files in the project.


Searching for 'error'...
C:\SIMDevIDE\project\test2\SIM305M32_SST34HF_APP.txt(18): code\test2.c: 1 warning, 1 error
C:\SIMDevIDE\project\test2\SIM305M32_SST34HF_APP.txt(22): Fatal error: L6002U: Could not open file output\test2.o.
C:\SIMDevIDE\project\test2\SIM305M32_SST34HF_APP.txt(26): Finished: 3 information, 0 warning, 0 error and 1 fatal error messages.
C:\SIMDevIDE\project\test2\SIM305M32_SST34HF_APP.txt(28): TTMAKE: Previous command reported error 1
4 occurrence(s) have been found.
Build
Debug
Find in Files
Ready
Folding Level: 0 Style

2.Debug Process

For debugging your project, your code has to enable debug first, see Embedded AT Development Guild 4.11 Debug API on how to enable debug in your program.

Set your debug port by selecting Project->COM setting...

While your program is running on SIMCom modules, select Build->Debug Start menu to start receiving debug information from the debug port set above.

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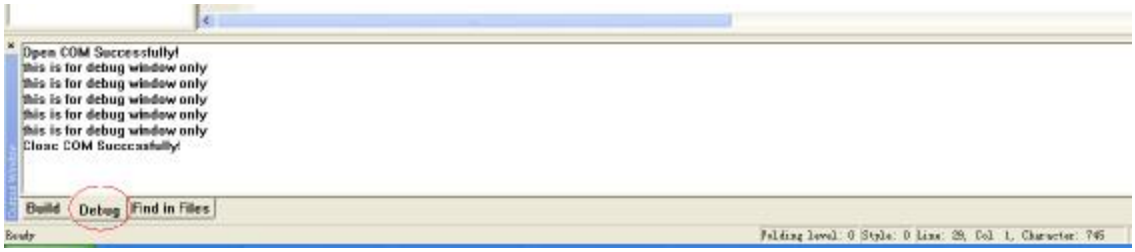

Debug information is printed to Debug window, to view the information by selecting the Debug tab.

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